

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/038172

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B21D26/02 B21D26/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B21D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/41028 A (DAIMLERCHRYSLER AG; BIKERT, ARNDT; BOBBERT, STEFAN) 19 August 1999 (1999-08-19) page 3, paragraph 5 – page 6, paragraph 2; figures 1,2	1-15
X	DE 100 19 912 A1 (FORSCHUNGSGESELLSCHAFT UMFORMTECHNIK MBH) 31 October 2001 (2001-10-31) column 2, line 7 – column 3, line 24; figures 1,3	1-3, 5-7, 9, 11, 15
A		4, 8, 10, 12
X	EP 0 985 465 A (KABUSHIKI KAISHA OPTON) 15 March 2000 (2000-03-15) column 8, line 51 – column 9, line 51; figures 1,6	1, 2, 5, 6, 9, 11, 15
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

Date of mailing of the international search report

7 March 2005

31/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 38 40 939 A1 (KUHN, RAINER, DIPL.-ING., 6690 ST WENDEL, DE) 7 June 1990 (1990-06-07) claims 1,4,5; figures 1,2,5	1,3,5,7, 9,15
X	DE 197 51 035 A1 (FORSCHUNGSGESELLSCHAFT UMFORMTECHNIK MBH, 70174 STUTTGART, DE; FORSCHU) 27 May 1999 (1999-05-27) column 1, line 66 – column 2, line 34; claims 1,4,7,8; figures 1-5	1-3,5-7, 9,11,15

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Information on patent family members

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